URETERO-RENO VIDEOSCOPE
URF-V
See what you have never seen before.
The Morphology Appears Before Your Eyes With NBI.

"EYE inside" technology

The CCD imaging sensor in the distal end provides a moiré-free, bright image with high color reproduction without the need for a camera head attachment. The use of the integrated distally located CCD imaging sensor eliminates the need to focus.

The 275° down angulation enables optimal visualization in the lower calyx, while the 180° up angulation (with a small radius) is ideal for accessing the upper/middle calyces.

The integrated camera and light guide cable assures easy scope handling during the procedure. Four programmable buttons on the control section are always within your reach, providing quick access to image capture, white balance, zoom and other frequently used functions.

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NBI helps in the observation of mucosal morphology. NBI works by altering the white light source to consist of specific wavelength bands, which take advantage of the scattering and absorption properties of human tissue. This provides improved visual contrast of the surface structure and fine capillary patterns of the mucous membranes, which are normally difficult to distinguish. NBI takes advantage of the characteristics of the light that penetrates the mucosa by depicting capillaries in the superficial layer of the mucosa more clearly than with conventional white light.

**Access Freely, Control Flexibly.**

- **UP 180° /DOWN 275°**
  The 275° down angulation enables optimal visualization in the lower calyx, while the 180° up angulation (with a small radius) is ideal for accessing the upper/middle calyces.

- **Smooth Handling**
  A new insertion tube rotation function with a rotation angle of ±90 degrees enables fine adjustment of the laser tip position when aiming at the stone, while also allowing a relaxed working position.

- **Durability & Maintenance**
  Leakage testing allows punctures to be detected early and helps to ensure a longer service life for the scope.
System Chart

URF-V Specifications

<table>
<thead>
<tr>
<th>Field of View</th>
<th>Optical System</th>
<th>90°</th>
</tr>
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<tbody>
<tr>
<td>Direction of View</td>
<td>Forward Viewing</td>
<td></td>
</tr>
<tr>
<td>Depth of Field</td>
<td>2 - 50 mm</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Insertion Tube</th>
<th>Distal End Outer Diameter</th>
<th>8.5 Fr</th>
</tr>
</thead>
<tbody>
<tr>
<td>Insertion Tube</td>
<td>Outer Diameter</td>
<td>9.9 Fr (3.3 mm)</td>
</tr>
<tr>
<td>Working Length</td>
<td>670 mm</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Instrument Channel</th>
<th>Inner Channel Diameter</th>
<th>3.6 Fr (1.2 mm)</th>
</tr>
</thead>
</table>

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<tr>
<th>Bending Section</th>
<th>Angulation Range</th>
<th>Up 180°/Down 275°</th>
</tr>
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| Total Length | 980 mm |

URF-V Standard Set

- Uretero-Reno Videoscope OLYMPUS URF TYPE V ....................................... 1
- MAJ-579 Biopsy Valve ............................................................................... 10
- MAJ-891 Forceps/Irrigation Plug (Isolated Type) .......................................... 1
- MB-156 ETO Cap ......................................................................................... 1
- MH-507 Channel-Opening Cleaning Brush ................................................... 1
- BW-15SH Suction Connector Cleaning Brush .............................................. 1
- BW-7B Channel Cleaning Brush ................................................................... 1

Accessories

Disposable grasping forceps (Basket type)
FG-51D/52D/55D

Disposable grasping forceps (Loop type)
FG-36D

Disposable grasping forceps (Three nail type)
FG-54D

Biopsy forceps
FB-56D-1

Instrument tray
WA05991A